

Figure 1.

ATGAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAAT
TAGATGGCGATGTTAATGGGCAAAAATTCTCTGTCAGTGGAGAGGGTGAAG
5 GTGATGCAACATACGGAAAACCTTACCCTTAAATTTATTTGCACTACTGGGAA
GCTACCTGTTCCATGGCCAACACTTGTCACTACTTTCGCGTATGGTCTTCAAT
GCTTTGCGAGATACCCAGATCATATGAAACAGCATGACTTTTTCAAGAGTGC
CATGCCCCGAAGGTTATGTACAGGAAAGAACTATATTTTACAAAGATGACGG
GAACTACAAGACACGTGCTGAAGTCAAGTTTGAAGGTGATACCCTTGTTAAT
10 AGAATCGAGTTAAAAGGTATTGATTTTAAAGAAGATGGAAACATTCTTGGAC
ACAAAATGGAATACAACATACTCACATAATGTATACATCATGGCAGACA
AACCAAAGAATGGAATCAAAGTTAACTTCAAATTAGACACAACATTAAAG
ATGGAAGCGTTCAATTAGCAGACCATTATCAACAAAATACTCCAATTGGCGA
TGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCCACACAATCTGCCCTTT
15 CCAAAGATCCCAACGAAAAGAGAGATCACATGATCCTTCTTGAGTTTGTAAC
AGCTGCTGGGATTACACATGGCATGGATGAACTATACAAATAA

Figure 2.

ATGTTTGAACCAATGGAACCTACCAATGACGCGGTGATTAAAGTCATCGGCG
TCGGCGGCGGCGGCGGTAATGCTGTTGAACACATGGTGCGCGAGCGCATTG
5 AAGGTGTTGAATTCTTCGCGGTAAATACCGATGCACAAGCGCTGCGTAAAAC
AGCGGTTGGACAGACGATTCAAATCGGTAGCGGTATCACCAAAGGACTGGG
CGCTGGCGCTAATCCAGAAGTTGGCCGCAATGCGGCTGATGAGGATCGCGA
TGCATTGCGTGCGGCGCTGGAAGGTGCAGACATGGTCTTTATTGCTGCGGGT
ATGGGTGGTGGTACCGGTACAGGTGCGGCACCAGTCGTCGCTGAAGTGGCA
10 AAAGATTTGGGTATCCTGACCGTTGCTGTCGTCACTAAGCCTTTCAACTTTGA
AGGCAAGAAGCGTATGGCATTTCGCGGAGCAGGGGATCACTGAACTGTCCAA
GCATGTGAACTCTCTGATCACTATCCCGAACGACAAACTGCTGAAAGTTCTG
GGCCGCGGTATCTCCCTGCTGGATGCGTTTGGCGCAGCGAACGATGTACTGA
AAGGCGCTGTGCAAGGTATCGCTGAACTGATTACTCGTCCGGGTTTGATGAA
15 CGTGGACTTTGCAGACGTACGCACCGTAATGTCTGAGATGGGCCACGCAATG
ATGGGTTCTGGCGTGGCGAGCGGTGAAGACCGTGCGGAAGAAGCTGCTGAA
ATGGCTATCTCTTCTCCGCTGCTGGAAGATATCGACCTGTCTGGCGCGCGCG
GCGTGCTGGTTAACATCACGGCGGGCTTCGACCTGCGTCTGGATGAGTTCGA
AACGGTAGGTAACACCATCCGTGCATTTGCTTCCGACAACGCGACTGTGGTT
20 ATCGGTACTTCTCTTGACCCGGATATGAATGACGAGCTGCGCGTAACCGTTG
TTGCGACAGGTATCGGCATGGACAAACGTCCTGAAATCACTCTGGTGACCAA
TAAGCAGGTTTCAGCAGCCAGTGATGGATCGCTACCAGCAGCATGGGATGGC
TCCGCTGACCCAAGAGCAGAAGCCGGTTGCTAAAGTCGTGAATGACAATGC
GCCGCAAACCTGCGAAAGAGCCGGATTATCTGGATATCCCAGCATTCTGCGT
25 AAGCAAGCTGATTAA

Figure 3.

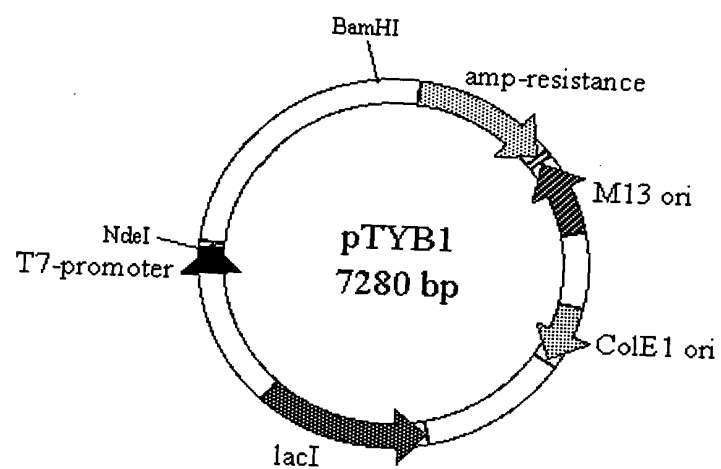


Figure 4.

CGGTTTAAACCGGGGATCTCGATCCCGCGAAATTTAATACGACTCACTATAG

← vector

T7-promoter

5

GGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTT

AAGAAGGAGATATACATATG ← ftsZ gene → GATCTAGAAGTACTATTTCAA

RBS

NdeI-site/ **start**

linker-sequence (Leu-Glu-Val-Leu-

10

GGGCCCATG ← GFP-gene → TAAGGATCCGGCTGCTAACAAAGCCCGAAAG

Phe-Gln-Gly-Pro)

stop/BamHI-site

GAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTT

15

GGGGCCTCTAAACGGGTCTTGAGGGGTTTTTGCTGAAAGGAGGAACTAT

T7 transcription terminator

vector →

Figure 5.

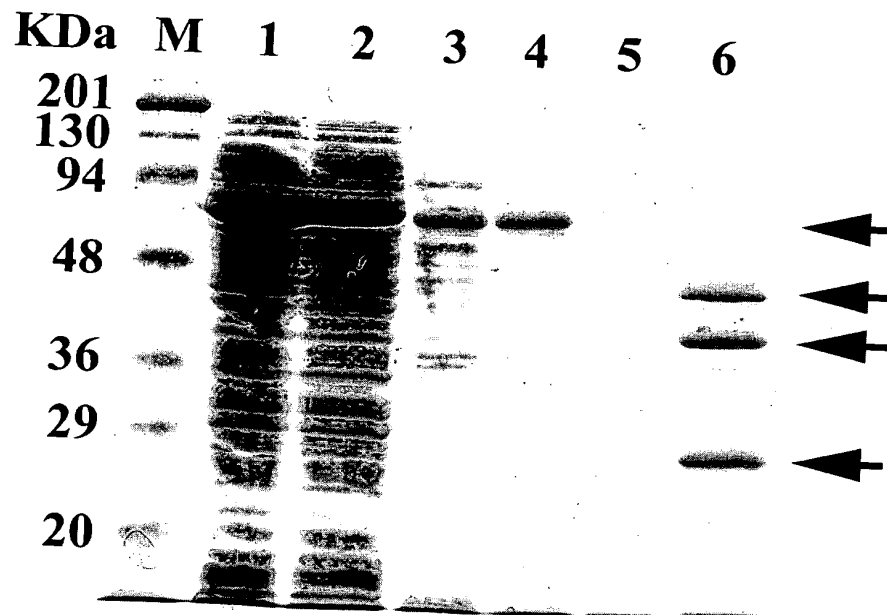


Figure 6.

GGACCAAACACAGAATTTGCACTATCCCTGTTAAGGAAAAACATAATGACT
ATAACAACCTCAAAGGGAGAGTTACAGGGTTAGGCATACATGATCGTGTCT
5 GTGTGATACCCACACACGCACAGCCTGGTGATGATGTACTAGTGAATGGTCA
GAAAATTAGAGTTAAGGATAAGTACAAATTAGTAGATCCAGAGAACATTAA
TCTAGAGCTTACAGTGTTGACTTTAGATAGAAATGAAAAATTCAGAGATATC
AGGGGATTTATATCAGAAGATCTAGAAGGTGTGGATGCCACTTTGGTAGTAC
ATTCAAATAACTTTACCAACACTATCTTAGAAGTTGGCCCTGTAACAATGGC
10 AGGACTTATTAATTTGAGTAGCACCCCCACTAACAGAATGATTCGTTATGAT
TATGCAACAAAACTGGGCAGTGTGGAGGTGTGCTGTGTGCTACTGGTAAG
ATCTTTGGTATTCATGTTGGCGGTAATGGAAGACAAGGATTTTCAGCTCAAC
TTAAAAACAATATTTTGTAGAGAAACAA

Figure 7.

CGGTTTAAACCGGGGATCTCGATCCCGCGAAATTAATACGACTCACTATAG
← vector T7-promoter

5 GGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAATAATTTTGTTTAACTTT

AAGAAGGAGATATACATATG ← ftsZ gene → CTGCCATGGGAC ← HRP3C gene →
RBS NdeI-site/start NcoI-site

10 TAAGGATCCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCC
stop/BamHI-site

ACCGCTGAGCAATAA CTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTT
T7 transcription terminator

GAGGGGTTTTTTGCTGAAAGGAGGAACTAT
vector →

Figure 8.

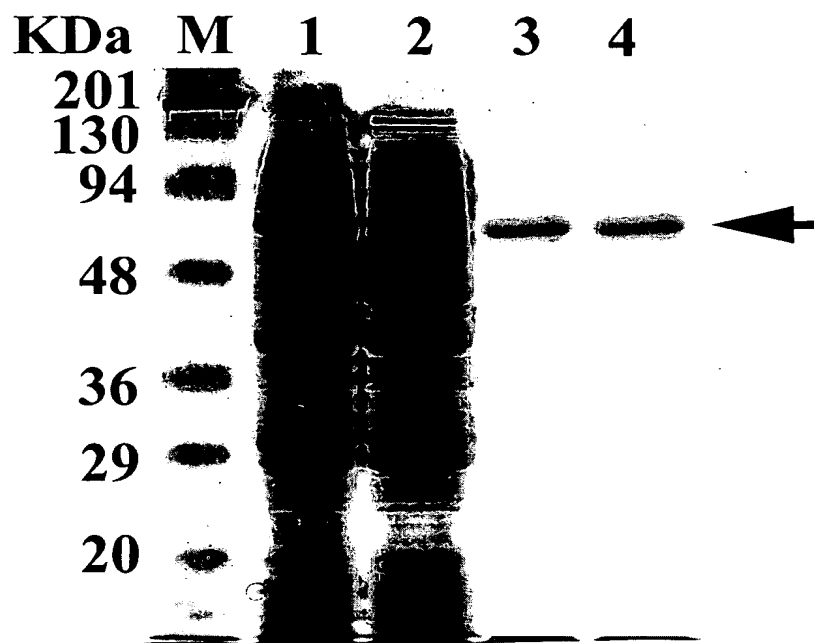


Figure 9.

